

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1315437

Luminaire Tested: LDSQA3D09R259735DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259735DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

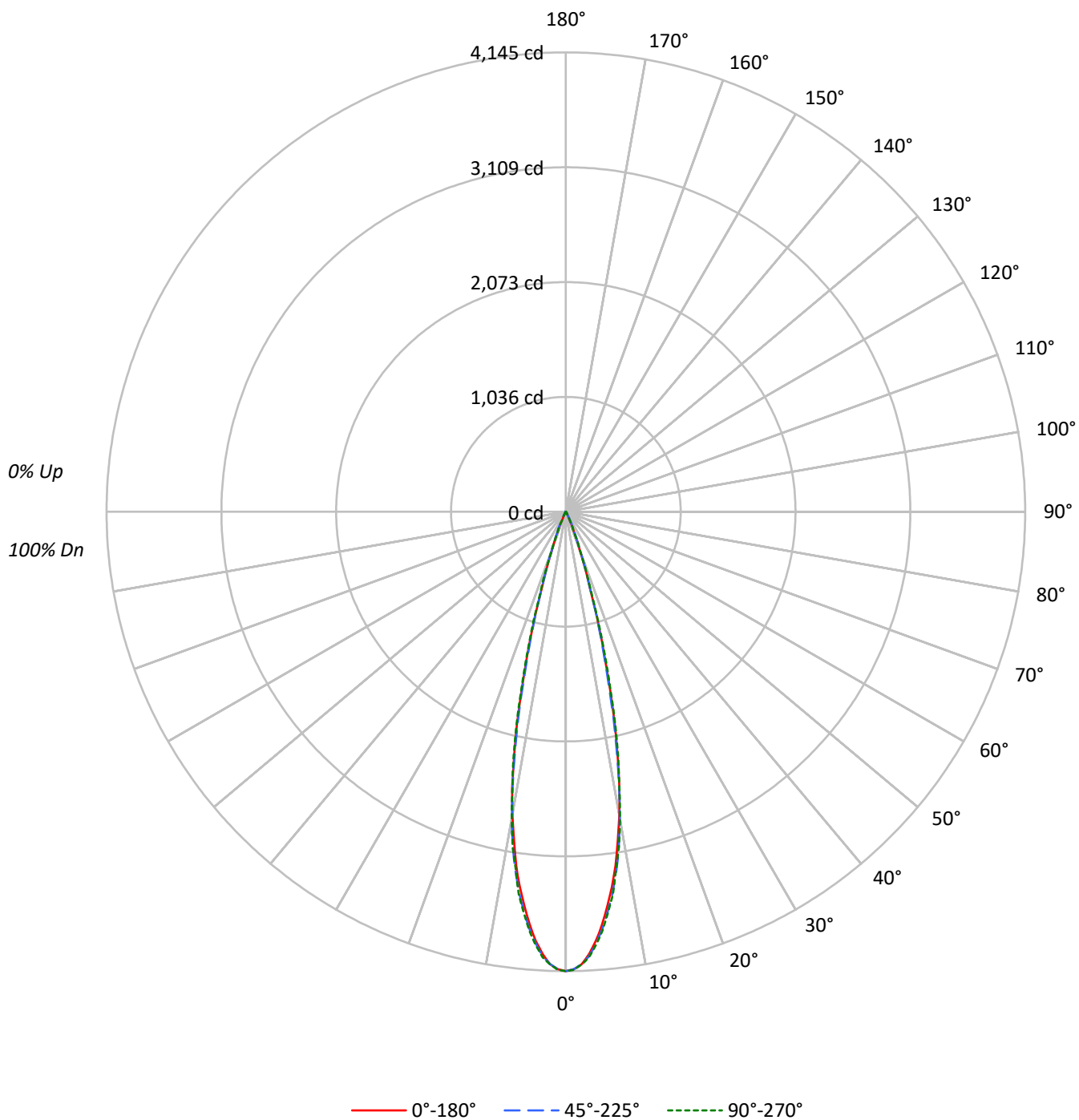
Lumens per Lamp: N/A  
Luminaire Lumens: 765.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  | 91  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 713897 | 713897 | 713897 |
| 5°  | 646919 | 652814 | 656012 |
| 10° | 486340 | 489785 | 492058 |
| 15° | 240809 | 233624 | 249189 |
| 20° | 68014  | 69132  | 69883  |
| 25° | 11801  | 22290  | 14005  |
| 30° | 4614   | 4753   | 4892   |
| 35° | 1430   | 1577   | 1577   |
| 40° | 450    | 607    | 450    |
| 45° | 341    | 170    | 341    |
| 50° | 188    | 0      | 188    |
| 55° | 210    | 0      | 210    |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 341 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 329.3  | 43.0      |
| 10°-20°   | 371.4  | 48.5      |
| 20°-30°   | 57.6   | 7.5       |
| 30°-40°   | 5.8    | 0.8       |
| 40°-50°   | 0.8    | 0.1       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| <hr/>     |        |           |
| 0°-30°    | 758.3  | 99.1      |
| 0°-40°    | 764.1  | 99.9      |
| 0°-60°    | 765.0  | 100.0     |
| 0°-90°    | 765.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 765.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4145 | 4145  | 4145 | 4145  | 4145 |      |
| 5°  | 3742 | 3749  | 3776 | 3791  | 3795 | 326  |
| 15° | 1351 | 1341  | 1310 | 1369  | 1398 | 370  |
| 25° | 62   | 92    | 117  | 89    | 74   | 52   |
| 35° | 7    | 8     | 8    | 8     | 8    | 5    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4145.2 | 4145.2 | 4145.2 | 4145.2 | 4145.2 |
| 1°    | 4128.1 | 4133.6 | 4127.4 | 4134.3 | 4133.6 |
| 2°    | 4085.1 | 4090.6 | 4083.1 | 4087.2 | 4087.2 |
| 3°    | 3997.2 | 4008.7 | 4015.6 | 4020.3 | 4024.4 |
| 4°    | 3881.2 | 3894.2 | 3904.4 | 3916.7 | 3916.7 |
| 5°    | 3742.0 | 3748.9 | 3776.1 | 3791.2 | 3794.6 |
| 6°    | 3576.3 | 3603.6 | 3624.0 | 3654.1 | 3635.6 |
| 7°    | 3410.5 | 3433.0 | 3461.7 | 3466.5 | 3479.4 |
| 8°    | 3222.3 | 3246.2 | 3272.8 | 3268.0 | 3257.1 |
| 9°    | 2993.1 | 3027.9 | 3059.3 | 3049.0 | 3062.7 |
| 10°   | 2781.0 | 2802.1 | 2800.7 | 2790.5 | 2813.7 |
| 11°   | 2534.7 | 2539.5 | 2512.9 | 2554.5 | 2529.3 |
| 12°   | 2242.8 | 2246.9 | 2212.8 | 2253.7 | 2279.6 |
| 13°   | 1963.1 | 1953.6 | 1906.5 | 1960.4 | 1993.1 |
| 14°   | 1641.2 | 1644.6 | 1584.5 | 1688.9 | 1680.7 |
| 15°   | 1350.6 | 1341.0 | 1310.3 | 1369.0 | 1397.6 |
| 17.5° | 719.6  | 725.8  | 718.3  | 747.6  | 766.0  |
| 20°   | 371.1  | 381.3  | 377.2  | 389.5  | 381.3  |
| 22.5° | 192.4  | 206.7  | 210.8  | 201.2  | 175.3  |
| 25°   | 62.1   | 92.1   | 117.3  | 89.4   | 73.7   |
| 27.5° | 37.5   | 36.8   | 57.3   | 39.6   | 40.2   |
| 30°   | 23.2   | 22.5   | 23.9   | 23.9   | 24.6   |
| 32.5° | 13.0   | 13.6   | 13.0   | 14.3   | 13.6   |
| 35°   | 6.8    | 7.5    | 7.5    | 8.2    | 7.5    |
| 37.5° | 4.1    | 4.8    | 4.8    | 4.8    | 4.1    |
| 40°   | 2.0    | 2.7    | 2.7    | 2.0    | 2.0    |
| 42.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 45°   | 1.4    | 0.7    | 0.7    | 0.7    | 1.4    |
| 47.5° | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 50°   | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 55°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)